

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 09-208633

(43)Date of publication of application : 12.08.1997

(51)Int.Cl. C08F236/14
C08K 3/36
C08L 9/00

(21)Application number : 08-037529 (71)Applicant : NIPPON ZEON CO LTD

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(54) DIENE RUBBER AND ITS PRODUCTION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a diene rubber reduced in heat buildup as an index of rolling resistance and properties (e.g. tensile strength, abrasion resistance and processability) and to provide a process for its production and to obtain a rubber composition containing the same.

SOLUTION: This rubber comprises 40-99.99wt.% units derived from a conjugated diene, 0.05-20wt.% units derived from silicon-containing vinyl monomer such as an alkoxy silyl, 0.05-20wt.% units derived from an amino vinyl monomer and a hydroxy vinyl monomer and 0-50wt.% units derived from other monomers and has a Mooney viscosity (ML1+4 100°C) of 10-200.

LEGAL STATUS

[Date of request for examination] 26.06.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3656670

[Date of registration] 18.03.2005

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against
examiner's decision of rejection]

[Date of extinction of right]